

AE

XP-002282119

AN - 1997-381356 [35]

AP - JP19960235845 19960819

CPY - ITFO-N

DC - A13 A31 E15 E17 P43

DR - 1119-U

FS - CPI;GMPI

IC - B09B3/00 ; B29B9/00 ; B29B17/00 ; B29K25/00 ; B29K105/04 ; C08J9/38 ;  
C08J11/08

MC - A11-C03 A12-S01 E10-G02G2 E10-J02A2

M3 - [01] J0 J012 J2 J272 M210 M211 M272 M282 M312 M313 M314 M321 M332 M342  
M382 M391 M416 M424 M620 M782 M903 M904 Q130; 9735-C1301-M

- [02] G035 G562 H7 H721 M210 M211 M213 M232 M240 M282 M320 M415 M424  
M510 M520 M530 M541 M610 M782 M903 M904 M910 Q130; R01119-M; 1119-U

PA - (ITFO-N) INT FOAM SOLUTIONS INC

PN - JP9165465 A 19970624 DW199735 C08J11/08 007pp

PR - JP19950233336 19950818

XA - C1997-122412

XIC - B09B-003/00 ; B29B-009/00 ; B29B-017/00 ; B29K-025/00 ; B29K-105/04 ;  
C08J-009/38 ; C08J-011/08

XP - N1997-317292

- AB - J09165465 A volume-reducing agent for expanded polystyrene is composed of esters of dibasic acids which collapses cell membranes when contacted with the expanded polystyrene to form compressed polystyrene containing gel-like substance and is capable of transportation.
- Also claimed are: (1) a method of reducing volume of expanded polystyrene comprising using the volume-reducing agent in the form of a liquid to chemically solvate cell membranes of expanded polystyrene, thereby collapsing the expanded polystyrene; and (2) a method of separating polystyrene from the volume-reducing agent comprising: (i) spraying alcohols on polystyrene whose volume is reduced by using the volume-reducing agent; (ii) stirring and comminuting the polystyrene; (iii) extracting the volume-reducing agent to form polystyrene gel; and (iv) heating and melting it to separate the residual solvents, thereby recovering polystyrene in the form of ingots or pellets.
- ADVANTAGE - Expandable polystyrene can be compressed easily, contributing to easy recycling of expanded polystyrene.
- (Dwg.0/0)

CN - 9735-C1301-M R01119-M

DRL - 1119-U

IW - AGENT EXPAND POLYSTYRENE COMPRISE ESTER DI BASIC ACID COLLAPSE CELL  
MEMBRANE EASY RECYCLE

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MEMBRANE EASY RECYCLE

NC - 001

OPD - 1995-08-18

ORD - 1997-06-24

PAW - (ITFO-N) INT FOAM SOLUTIONS INC

TI - Volume-reducing agent for expanded polystyrene - comprises ester(s) of  
di:basic acids for collapsing cell membranes for easy recycling

A01 - [001] 018 ; R00708 G0102 G0022 D01 D02 D12 D10 D19 D18 D31 D51 D53  
D58 D76 D88 ; H0000 ; S9999 S1309-R ; S9999 S1365 ; S9999 S1547

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S1536 ; S9999 S1456-R ; P1741 ; P1752 ;  
- [002] 018 ; ND00 ; ND07 ; N9999 N6906 ; N9999 N5709 ; N9999 N6144  
; N9999 N7318 N6655 ; N9999 N6202 N6177 ; N9999 N6133 ; N9999  
N6860 N6655 ; N9999 N5867 ; N9999 N5889-R ; B9999 B4842 B4831 B4740  
;  
- [003] 018 ; D01 D11 D10 D50 D63 D86 F90 F41 E11 E00 ; R01097 G3123  
D01 D11 D10 D19 D18 D31 D50 D63 D76 D90 F41 F90 E00 E19 ; A999 A475 ;  
A999 A771 ;  
- [004] 018 ; D01 D11 D10 D50 D63 D87 F90 F41 E12 E00 ; A999 A475 ;  
A999 A771 ;  
- [005] 018 ; D01 D02 D11 D10 D12 D14 D13 D31 D76 D54 D51 D57 D90 D58  
D59 ; A999 A475 ; A999 A771 ;

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